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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,294	01/23/2002	Sumit Roy	100111585-1	9783

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

PHAM, BRENDA H

ART UNIT	PAPER NUMBER
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2616

DATE MAILED: 12/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

SF

Office Action Summary	Application No. 10/056,294	Applicant(s) ROY ET AL.	
	Examiner Brenda Pham	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 November 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-66 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-16,18-26,28-36,38-46,48-56,58-66 is/are rejected.
- 7) ☒ Claim(s) 7,17,27,37,47 and 57 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-66 are pending in this application.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6, 8, 11-16, 18, 21-26, 28, 31-36, 38, 41-46, 48, 51-55, 58, 61-66 are rejected under 35 U.S.C. 103(a) as being unpatentable over GREER et al (US 6,247,048 B1) in view of BACH et al (WO 95/15665).

Regarding claims 1, 11, 21, 31, 41, 51, 61, GREER et al discloses in a server, a method of data session handoff, said method comprising:

receiving data from a data source (**see figure 3, receiving data from Web Site A, B, C**);

transcoding said data (**Proxy Server transcoding response from web server into character set used by mobile computing device if character set in received response and mobile computing device are not same**);

Art Unit: 2616

transmitting at least a portion of said data to an electronic device located in a first location (**Proxy Server transmitting at least a portion of said data mobile 351 or 357**);

GREER do not disclose the method for handoff when mobile move to another base station, including steps of:

receiving notification that said electronic device is moving toward a second location served by a second server;

transmitting a first message to said second server notifying said second server that said electronic device is moving toward said second location;

receiving a second message from said second server that said second server is prepared to communicate with said electronic device; and

said server stopping transmission of said data.

BACH et al, in the same inventive field, teach receiving notification that said electronic device is moving toward a second location served by a second server ("The MS sends a PSMM to the SXCDR 'first server' which indicates that the source BTS has a pilot signal strength below a predetermined threshold (see page 9, lines 1-5); transmitting a first message to said second server notifying said second server that said electronic device is moving toward said second location ("the SXCDR 'first server' sends in the CARE link a start vocoding and communication controlling message to DXCDR", page 9, lines 7-10); receiving a second message from said second server that said second server is prepared to communicate with said electronic device (the DXCDR 'second server' passes the HO successful message to MM, (page 9, lines 18-21)

Art Unit: 2616

(see figures 1-4); and said server stopping transmission of said data ("the SXCDR 'first server' releases the radio channel at the SXCVR, page 9, lines 20-21).

Handoff requests from the mobile unit performed while they are roaming about the geographic area. This is done when a mobile unit approaches the communications range limit of a present base station. It is requests that a mobile unit is added to a new base station and removes it from the old base station after the hand off is complete. The radio signal strength from the new base station may be greater than the radio signal strength from the old base station, so handoff is warranted to maintain the quality of the established session.

For the reason above, it would have been obvious to those having ordinary skill in the art at the time of the invention was made to implement the teaching of mobile handoff of BACH et al, in GREER et al

Regarding claims 2, 12, 22, 32, 42, 52 and 62, BACH et al further teach wherein said server (SXCDR) and said second server (DXCDR) are transcoder devices (106 and 108).

Regarding claims 3-4, 13-14, 23-24, 33-34, 43-44, 53-54, 63-64, GREER et al further teach wherein said data source is a content server (Web Site A, Web Site B or Web Site C).

Art Unit: 2616

Regarding claims 5, 15, 25, 35, 45, 55, 65, GREER et al teach wherein said data is streaming media data (col. 5, lines 55-67).

Regarding claims 6, 16, 26, 36, 46, 56 and 66 GREER et al further teach wherein said electronic device (351 or 357) is communicatively coupled to said server (Web Sites 333, 335 or 337) by a wireless connection.

Regarding claims 8, 18, 28, 38, 48, 58, BACH et al further teach prior to said server (SXCDR, step 12) stopping transmission of said data, said second server (DXCDR) transmitting at least a portion of said data to said electronic device (step 9 of figure 4).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 9-10, 19-20, 29-30, 39-40, 49-50, 59-60 are rejected under 35 U.S.C. 103(a) as being unpatentable over GREER et al (US 6,247,048 B1) in view of BACH et al (WO 95/15665) further in view of SUNDQVIST et al (US 2004/0071132 A1).

Art Unit: 2616

Regarding claims 9-10, 19-20, 29-30, 39-40, 49-50, 59-60, as explained in the rejection statements of claims 1, 11, 21, 31, 41, 51 (parent claims), GREER et al in view of BACH et al disclose all the features in parent claims. GREER et al and BACH et al does not teach wherein said data is user datagram protocol data/transmission control protocol messages. It is well known in the art and is teach by SUNDQVIST et al that User Datagram Protocol (UDP) and Internet Protocol specified by IETF are used to convey speech packets, including blocks of compressed speech information, between the fixed terminal TE1 and the and the base station BS1. At the base station BS1, the UDP and IP protocols are terminated by the blocks of compressed speech information are transported between the base station BS1 and the mobile station MS1 over a circuit switched radio channel CH1 assigned for serving the phone call. The radio channel CH1 being circuit switched implies that the radio channel CH1 is dedicated to transport blocks of speech information associated with the call at a fixed bandwidth [0022].

It is obvious to those having ordinary skill in the art at the time of the invention was made to use UDP and TCP in BACH et al.

Allowable Subject Matter

6. Claims 7, 17, 27, 37, 47, 57 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 2616

7. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to teach or fairly suggests in combination the step of prior to said receiving said second message said second server transmitting a third message to said data source notifying said data source to transmit at least a portion of said data to said second server; and said data source transmitting at least a portion of said data to said second server.

Conclusion

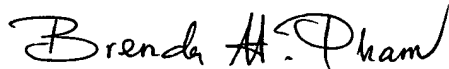
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (571) 272-3135. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild, can be reached on (571) 272-2092.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

December 9, 2006, 2006

Brenda Pham



**BRENDA PHAM
PRIMARY EXAMINER**